

9/27/02

crushing cellular walls of said lactic acid bacteria in the culture solution obtained by said culture of the lactic acid bacteria; and

removing the residue of said lactic acid bacteria after making the crushed walls into a colloid or dissolving them.

2  
8. (new) A hair growth tonic containing as an active ingredient, culture filtrate of lactic acid bacteria obtained by:

A1 culturing said lactic acid bacteria in culture solution;

crushing cellular walls of said lactic acid bacteria in the culture solution obtained by said culture of the lactic acid bacteria; and

removing the residue of said lactic acid bacteria after making the crushed walls into colloid or dissolving them, wherein

a known other hair growth component is added to obtain said hair growth tonic after diluting said filtrate with a carrier.

3 2  
9. (new) A hair growth tonic according to claim 8, wherein said carrier comprises one or more additives selected

from the group consisting of purified water, ordinary water, physiological saline, and ethanol.

~~2~~ ~~4~~  
10. (new) A hair growth tonic according to claim ~~8~~, wherein said known other hair growth component comprises at least one of laurel extract and chlorophyll.

~~5~~  
11. (new) A hair growth tonic for application to the head to stimulate the growth of hair, consisting essentially of a concentration sufficient for stimulating hair growth of an extract of crushed cellular walls of a lactic acid producing bacteria as active ingredient, and optionally at least one of chlorophyll and a laurel extract.

~~6~~ ~~5~~  
12. (new) The hair growth tonic of claim ~~11~~, wherein said lactic acid producing bacteria is *Streptococcus thermophilus*, *Streptococcus lactis*, *Streptococcus lactis subsp. Diacetylactis*, *Pediococcus cerevisiae*, *Pediococcus acidilactici*, *Pediococcus pentosaceus*, *Pediococcus halophilus*, *Pediococcus urinae-equi*, *Leuconostoc cremoris*, *Leuconostoc oenos*, *Lactobacillus delbrueckii*, *Lactobacillus leuconostoc*, *Lactobacillus lactis*, *Lactobacillus bulgaricus*, *Lactobacillus helveticus*, *Lactobacillus fermentum*, *Lactobacillus brevis*, *Lactobacillus viridescens*, *Bifidobacterium longum*, *Bifidobacterium bifidum*, *Bifidobacterium breve*, and *Bifidobacterium infantis*.